## **CLAIMS**

- 1. A sand screen for use in production of hydrocarbons from wells, comprising an intelligent 1 completions device disposed in the sand screen. 2
- 2. The sand screen of claim 1, wherein the intelligent completions device comprises a 1 2 any don't continue the second of the secon sensor.
  - The sand screen of claim 1, wherein the intelligent completions device comprises a 3. temperature sensor.
  - 4. The sand screen of claim 1, wherein the intelligent completions device comprises a pressure sensor.
  - The sand screen of claim 1, wherein the intelligent completions device comprises a flow 5. 1 2 rate measurement device.
  - The sand screen of claim 1, wherein the intelligent completions device comprises a 6. 1 2 oil/water/gas ratio measurement device.

- 7. The sand screen of claim 1, wherein the intelligent completions device comprises a scale detector.
- 1 8. The sand screen of claim 1, wherein the intelligent completions device comprises a sand
  2 detection device.
- 1 9. A gravel pack system, comprising:

a sand screen; and

an intelligent completions device disposed within the sand screen.

- 10. The gravel pack system of claim 9, wherein the intelligent completions device comprises a sensor.
- 11. The gravel pack system of claim 9, wherein the intelligent completions device comprises a temperature sensor.
- 1 12. The gravel pack system of claim 9, wherein the intelligent completions device comprises 2 a pressure sensor.
- 1 13. The gravel pack system of claim 9, wherein the intelligent completions device is selected
  2 from a flow rate measurement device, an oil/water/gas ratio measurement device, a scale
  3 detector, and a sand detection device.

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- 1 14. The gravel pack system of claim 9, further comprising a fiber optic cable.
- 1 15. The gravel pack system of claim 9, further comprising a control line connected to the
- 2 intelligent completions device.
- 1 16. The gravel pack system of claim 15, wherein the control line is selected from an electric
- 2 line and a fiber optic line.
  - 17. The gravel pack system of claim 9, further comprising a control line extending from the surface to the intelligent completions device.
  - 18. A method for placing a gravel pack around a completion, comprising:
    - gathering data from an intelligent completions device disposed in a sand screen of the completion; and
    - flowing a gravel slurry into the assembly wherein a gravel is deposited between the sand screen and a formation.
- 1 19. The method of claim 18, wherein the intelligent completions device is a sensor.
- 1 20. A method of monitoring a well characteristic of a well, comprising:
- 2 running a control line to an intelligent completions device disposed in a sand screen;
- 3 running the sand screen into the well; and
- 4 sending a signal through the control line.

22. 1 A well completion, comprising: 2 a sand screen positioned adjacent the formation; and 3 a fiber optic line at least a portion of which is attached to the sand screen. 23. The well completion of claim 22, further comprising a gravel pack around the sand 1 ... 1 100 Deep may river and the order time 2 and the train the order to the train the screen. 24. A method for gravel packing a well, comprising: running a sand screen into a particular length of the well; extending a fiber optic line into the particular length of the well; and gravel packing the well. The method of claim 24, further comprising performing the running step at substantially 25. 1 the same time as the extending step. 2 The method of claim 24, further comprising performing the running step before the 26. 1

The method of claim 20, wherein the intelligent completions device is a sensor.

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extending step.